

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for providing pan and tilt capability to a stationary imaging device, the apparatus comprising:

a first achromatic prism doublet positioned on a first axis including a first prism having a first surface lying in a plane substantially perpendicular to the first axis and a second surface inclined with respect to the first axis, and a second prism having a third surface lying in a plane substantially parallel to the second surface and a fourth surface inclined with respect to the first axis;

a second achromatic prism doublet positioned on the first axis including a third prism having a fifth surface lying in a plane substantially perpendicular to the first axis and a sixth surface inclined with respect to the first axis, and a fourth prism having a seventh surface lying in a plane substantially parallel to the sixth surface and an eighth surface inclined with respect to the first axis; and

at least one motor for rotating the first and second achromatic prism doublets about the first axis whereby polychromatic electromagnetic radiation from a portion of an area of interest is directed toward an imaging device.

2. (Canceled)

3. (Currently Amended) The apparatus of claim 2 1, wherein:
the first prism comprises zinc-sulfide; and
the second prism comprises sapphire.

4. (Currently Amended) The apparatus of claim 2 1, wherein:
the first prism comprises zinc-sulfide; and
the second prism comprises germanium.

5. (Currently Amended) The apparatus of claim 2 1, wherein:

the second surface is inclined at a first angle is of substantially 88.632°; and

the fourth surface is inclined at a second angle is of substantially 100.624°.

6. (Currently Amended) The apparatus of claim 2 1, wherein:

the second surface of the first prism and the first third surface of the second prism are positioned adjacent to each other.

7. (Currently Amended) The apparatus of claim 2 1, wherein:

the first surface of the first prism in the first doublet and the first fifth surface of the first third prism in the second doublet are positioned adjacent to each other.

8. (Original) The apparatus of claim 1, wherein the at least one motor rotates the first and second prism doublets in opposite directions and by equal amounts.

9. (Currently Amended) A method of providing pan and tilt capability to a stationary imaging device, the method comprising the steps of:

positioning a first achromatic prism doublet on a first axis wherein the first achromatic prism doublet includes a first prism having a first surface lying in a plane substantially perpendicular to the first axis and a second surface inclined with respect to the first axis, and a second prism having a third surface lying in a plane substantially parallel to the second surface and a fourth surface inclined with respect to the first axis;

positioning a second achromatic prism doublet on the first axis wherein the second achromatic prism doublet includes a third prism having a fifth surface lying in a plane substantially perpendicular to the first axis and a sixth surface inclined with respect to the first axis, and a fourth prism having a seventh surface lying in a plane substantially parallel to the sixth surface and an eighth surface inclined with respect to the first axis; and

rotating the first and second achromatic prism doublets about the first axis whereby polychromatic electromagnetic radiation from a portion of an area of interest is directed toward an imaging device.

10. (Canceled)

11. (Currently Amended) The method of claim 10 9, wherein:

the first prism comprises zinc-sulfide; and
the second prism comprises sapphire.

12. (Currently Amended) The method of claim 10 9, wherein:

the first prism comprises zinc-sulfide; and
the second prism comprises germanium.

13. (Currently Amended) The method of claim 10 9, wherein:

the second surface is inclined at a first angle is of substantially 88.632°;

and

the fourth surface is inclined at a second angle is of substantially 100.624°.

14. (Currently Amended) The method of claim 10 9, wherein:

the second surface of the first prism and the first third surface of the second prism are positioned adjacent to each other.

15. (Currently Amended) The method of claim 10 9, wherein:

the first surface of the first prism in the first doublet and the first fifth surface of the first third prism in the second doublet are positioned adjacent to each other.

16. (Original) The method of claim 9, wherein the first and second prism doublets are rotated in opposite directions and by equal amounts.

17. (Original) The method of claim 9, wherein the first and second prism doublets are rotated in the same direction.

18. (New) The method of claim 9, wherein rotation of the first and second prism doublets provides a pan and tilt range of 30 degrees in each axis.